

CITATION

Sheet 1 of 1

003797.00620

10/644,900

Applicant(s): Richard Duncan et al.

Filing Date: August 21, 2003

Group: 2171

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
G-2	0 902 379 A2	03/1999	Europe				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

[illegible]

65

DATE CONSIDERED 6/14/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/644,900
Filing Date	August 21, 2003
First Named Inventor	Richard Duncan et al.
Group Art Unit	2171
Examiner Name	TBA
Attorney Docket Number	003797.00620

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
GS		H. Kitakami et al., "A Constraint Solver for Reconciling Heterogeneous Trees," IC-AI '00 International Conference, 2000, pp. 1419-1425	
		M. van Veller et al., "Methods in Vicariance Biogeography: Assessment of the Implementations of Assumptions 0, 1, and 2," Cladistics 16, 2000, pp. 319-345	
		V. V'yugin et al., "Tree Reconciliation: Reconstruction of Species Phylogeny by Phylogenetic Gene Trees," Molecular Biology, Vol. 36, No. 5, 2002, pp.650-658	
		H. Prodinger, "A q -Analog of the Path Length of Binary Search Trees," 10/14/1999, pp. 1-9	
		R. Page, "Extracting Species Trees From Complex Gene Trees: Reconciled Trees And Vertebrate Phylogeny," Molecular Phylogenetics and Evolution, Vol. 14, No. 1, 2000, pp. 89-106	
		M. van Veller et al., "A <i>posteriori</i> and <i>a priori</i> methodologies for testing hypotheses of causal processes in vicariance biogeography," Willi Hennig Society, 2001, pp. 26	
		A. Martin, "Choosing among Alternative Trees of Multigene Families," Molecular Phylogenetics and Evolution, Vol. 16, No. 3, 2000, pp. 430-439	
		M.T. Hallett et al., "Efficient Algorithms for Lateral Gene Transfer Problems," RECOMB, 2001, pp. 149-156	
		R. Neininger, "On binary search tree recursions with monomials as toll functions," Journal of Computational and Applied Mathematics, 2002, pp. 185-196	
		M. Hofri et al., "Efficient Reorganization of Binary Search Trees," Proceedings of the 2 nd Italian Conference on Algorithms and Complexity, 1994, pp. 1-25	
		M. Hallett et al., "New Algorithms for the Duplication-Loss Model," RECOMB, 2000, pp. 138-146	
		B. Ma et al., "From Gene Trees to Species Trees," Second Annual International Conference on Computational Molecular Biology, 1998, pp. 1-29	
		Miklós Csűrös, "Fast recovery of evolutionary trees with thousands of nodes," Department of Computer Science, Yale University, 2002, 36 pages	
✓		Hajime Kitakami et al., "Constraint Satisfaction for Reconciling Heterogeneous Tree Databases," DEXA 2000, LNCS 1873, pp. 624-633	

Examiner
Signature

GS

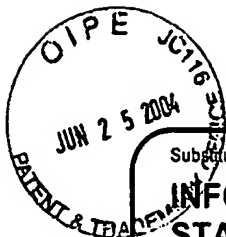
Date
Considered

6/14/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/644,900		
		Filing Date	August 21, 2003		
		First Named Inventor	Richard Duncan et al.		
		Group Art Unit	2171		
		Examiner Name	TBA		
Sheet		of		Attorney Docket Number	003797.00620

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
GS		8,603,881 B2	08-05-2003	Perrone et al.	
GS		6,442,555 B1	08-27-2002	Shmueli et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
GS		Ramachandran et al., "An Architecture for Ink Annotations on Web Documents," August 2003, vol. 1, pages 258-260	

Examiner Signature	GS	Date Considered	6/14/06
-----------------------	----	--------------------	---------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10644900	
	Filing Date		2003-08-21	
	First Named Inventor	Richard DUNCAN et al.		
	Art Unit	2165		
	Examiner Name	Hicks, M.		
	Attorney Docket Number	003797.00620		

U.S. PATENTS							Remove	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
GS	1	5588147		1996-12-24	Neeman et al.			
If you wish to add additional U.S. Patent citation information please click the Add button.							Add	
U.S. PATENT APPLICATION PUBLICATIONS							Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
GS	1	20020133507	A1	2002-09-19	Holenstein et al.			
If you wish to add additional U.S. Published Application citation information please click the Add button.							Add	
FOREIGN PATENT DOCUMENTS							Remove	
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>
If you wish to add additional Foreign Patent Document citation information please click the Add button.							Add	
NON-PATENT LITERATURE DOCUMENTS							Remove	
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T ⁵

GS 6/14/06

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10644900
Filing Date	2003-08-21
First Named Inventor	Richard DUNCAN et al.
Art Unit	2165
Examiner Name	Hicks, M.
Attorney Docket Number	003797.00620

GS	1	Gupta et al, "Robust Annotation Positioning in Digital Documents," Pub. 9/22/2000, ftp://ftp.research.microsoft.com/pub/tr/tr-2000-95.pdf	<input type="checkbox"/>
----	---	---	--------------------------

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	GS	Date Considered	6/19/04
--------------------	----	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

PTO/SB/06A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1448/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/644,800
		Filing Date	August 21, 2003
		First Named Inventor	Jamie Wakeam et al.
		Group Art Unit	
		Examiner Name	TBA
Sheet		of	
		Attorney Docket Number	003797.00820

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
CS ↓		2002/0085002 A1	07-04-2002	Lemping et al.	
		2002/0191452 A1	12-19-2002	Fujihara	
		8,377,259 B2	04-23-2002	Tenev et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature	CS	Date Considered	6/14/6
-----------------------	----	--------------------	--------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/644,900	
		Filing Date	August 21, 2003	
		First Named Inventor	Jamie Wakeam et al.	
		Group Art Unit		
		Examiner Name	TBA	
Sheet		of	Attorney Docket Number	003787.00820

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
GE		5,659,887	09-24-1996	Brown et al.	
		5,911,013	08-08-1999	Tanishl	
		5,394,484	02-28-1995	Casey et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ² - Number ³ - Kind Code ⁴ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature		Date Considered	6/14/6
-----------------------	--	--------------------	--------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/644,900		
		Filing Date	August 21, 2003		
		First Named Inventor	Richard Duncan et al.		
		Group Art Unit	2171		
		Examiner Name	TBA		
Sheet		of		Attorney Docket Number	003797.00620

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
GS		5,546,538 A1	08-13-1996	Cobbley et al.	
		5,455,901 A1	10-03-1995	Friend et al.	
		6,292,857 B1	09-18-2001	Sidoroff et al.	
		2001/0012401 A1	08-09-2001	Nagy	
		2003/0028851 A1	02-06-2003	Leung et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

OTHER PRIOR-ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature	GS	Date Considered	6/14/06
-----------------------	----	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.